Claims

We Claim:

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- 1 A polymer composition comprising
- (a) a polyester;
- (b) at least one ultraviolet absorber; and
- (c) at least one optical brightener in a concentration of greater than 0.0004 wt%, based on the total weight of the polyester composition;

wherein said polymer is comprised of no more than 5 weight percent of polymers which are other than polyesters;

wherein said composition is effective at screening of at least 85% of the light of wavelengths of 290-390 nm.

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2. The polymer composition of claim 1, wherein said composition exhibits a CIE b* value of no greater than 6.0 in a 50 micrometer thick film prepared from said composition.

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3. The composition of claim 1 where the ultraviolet absorber is selected from the group consisting of the benzophenone, benzotriazole, triazine, oxanilide, cyanoacrylate, malonate, formamidine and benzoxazinone classes

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- 4. The composition of claim 1 where the optical brightener is selected from the group consisting of the stilbene, coumarin, naphthalene and thiophene classes.
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- 5. The composition of claim 3 where the ultraviolet absorbers are selected from the benzophenone, benzotriazole and triazine classes.

- 6. The composition of claim 4 where the brighteners contain a benzoxazole functionality.
- 5 7. The composition of claim 6 where the brighteners are benzoxazolyl-stilbenes.
 - 8. The composition of claim 6 where at least one of the brighteners is 4,4'-bis(2-benzoxazolyl)stilbene.

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9. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.1 to 4.0 weight percent and the optical brightener is present in a concentration of 0.5 to 0.6 weight percent.

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10. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.1 to 4 weight percent and the optical brightener is present in a concentration of 0.05 to 0.6 weight percent.

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11. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.4 to 2 weight percent and the optical brightener is present in a concentration of 0.1 to 0.3 weight percent.

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12. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.01 to 0.8 weight percent and the optical brightener is present in a concentration of 0.005 to 0.08 weight percent.

13. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.05 to 0.2 weight percent and the optical brightener is present in a concentration of 0.1 to 0.03 weight percent.

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- 14. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.001 to 0.08 weight percent and the optical brightener is present in a concentration of 0.0005 to 0.01 weight percent.
- 5 15. The composition of claim 1, wherein the ultraviolet light absorber is present in a concentration of 0.004 to 0.04 weight percent and the optical brightener is present in a concentration of 0.0005 to 0.006 weight percent.
- 16. The composition of claim 1, further comprising 0.2 to 15 weight
 percent of titanium dioxide having a mean particle size of less than or equal to 0.1 microns.
 - 17. A shaped or formed article comprising the polyester composition of claim 1.
 - 18. The article of claim 17, further comprising 0.2 to 15 weight percent of titanium dioxide having a mean particle size of less than or equal to 0.1 microns
- 20 19. The article of claim 17, wherein the polyester composition is in the form of a film.
 - 20. The article of claim 17 wherein the polyester composition is in the form of a container.
 - 21. The article of claim 17, wherein the polyester composition is in the form of a flat or formed sheet.

- 22. A method for protecting a material susceptible to degradation via ultraviolet light, which comprises surrounding at least part of said material with a polymer composition comprising
 - (a) a polyester;

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- (b) at least one ultraviolet absorber; and
- (c) at least one optical brightener in a concentration of greater than 0.0004 wt%, based on the total weight of the polyester composition;

wherein said polymer is comprised of no more than 5 weight percent of polymers which are other than polyesters;

wherein said composition is effective at screening of at least 85% of the light of wavelengths of 290-390 nm.

- 23. The method of claim 22, wherein said composition exhibits a CIE b* value of no greater than 6.0 in a 50 micrometer thick film prepared from said composition.
- 24. The method of claim 22, wherein the material is a foodstuff or beverage.

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